



Net Weight 5 Oz.

No. 9039

LAWN FUNGICIDE

Canadian Registration No. 6935 PCP Act
Guarantee: Effective for purposes claimed.

Cycloheximide 1.3%
Pentachloronitrobenzene 75.0%

This combination of the antibiotic Acti-dione and pentachloronitrobenzene PCNB is recommended for use on all varieties of bluegrass, bentgrass, bermudagrass, and St. Augustine grass. Acti-dione RZ should be used for the prevention and control of large brown patch, melting out, rust, leafspot, dollarspot, fading out, grease spot, powdery mildew, and grey leafspot.

Package contains full net weight. Head space is necessary to allow accurate filling and avoid spilling.

Keep out of reach of children.
See other warnings on back panel.

Store in a cool, dry place

USDA Reg. No. 1023-10
U.S. Patent No. 2,887,433

1. Leaf Spot
2. Rust
3. Melting-Out
4. Brown Patch

TUCO



DIRECTIONS FOR USE

When to Apply—Apply when disease first appears or during hot, humid weather which is favorable to development of disease. Repeat treatment every 7 to 14 days as long as disease or hot, humid weather continue.

How Much to Use

Type of Grass	Size of Area	Acti-dione RZ	Amount of Water
Bluegrass and Bentgrass	1,000 sq. ft.	4 level teaspoonfuls (½ oz.)	5 gal.
	10,000 sq. ft.	One can (5 oz.)	50 gal.
Bermudagrass and St. Augustine grass	1,000 sq. ft.	3 level tablespoonfuls (1½ oz.)	5 gal.
	3,500 sq. ft.	One can (5 oz.)	25 gal.

Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. gallons are equal to approximately four (4) Imperial gallons.

How to Apply—Add Acti-dione RZ to water slowly while stirring. Apply with hand sprayer, power sprayer, or hose-on proportioner. Shake sprayer occasionally when using to keep Acti-dione RZ in suspension. Do not “water in”. Use mixture the same day it is prepared.

Acti-dione RZ may be applied with most of the commonly applied turf insecticides. To check compatibility under local conditions, it is suggested that Acti-dione RZ in mixtures with other pesticides be used on a small area of turf before treating the entire area. Acti-dione RZ should not be used with chlordane or alkaline materials such as lime.

Active Ingredients

Cycloheximide 1.3% w/w
3-(2-(3,5-dimethyl-2-oxocyclohexyl-2-hydroxyethyl)-glutiramide
Pentachloronitrobenzene 75.0% w/w

Inert Ingredients

23.7% w/w

Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.

This product is toxic to fish. Apply only as specified on this label.

Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke or fumes.

External: In case of contact, immediately flush eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water. **Internal:** If swallowed, induce vomiting immediately by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. **Call a physician.** Never give anything by mouth to an unconscious person.

DIVISION OF THE UPJOHN COMPANY
KALAMAZOO, MICHIGAN 49001

LLK

Use before Jan. 1974
Lot 1CP29 B0

ACCEPTED WITH COMMENTS

Net Weight 1½ pounds

No. 9148

Active Ingredients

Cycloheximide
(3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-glutarimide)
Pentachloronitrobenzene
Inert Ingredients

1.3% w/w

75.0% w/w

23.7% w/w

100.0% w/w

For Use On:

Bluegrass, Bentgrass, Bermudagrass, Fescue, Ryegrass, and St. Augustinegrass

For the Prevention and Control of:

Large Brown Patch, Melting-Out, Rust, Dollarspot, Fading-Out, Grease Spot, Powdery Mildew, Leafspot (Helminthosporium) and Gray Leafspot

Also for Azalea Petal Blight

Acti-dione RZ®

Canadian Registration No. 6935 PCP Act

Guarantee: Effective for Purposes Claimed

Cycloheximide

1.3% w/w

Quintozene

75.0% w/w

U.S. Patent No. 2,887,433

STORE IN A COOL, DRY PLACE

WARNING:

HARMFUL OR FATAL IF SWALLOWED. KEEP OUT OF REACH OF CHILDREN.
See other warnings on back panel.

ACCEPTED

Jul 14, 1970

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO.

Comments

Directions for Azalea Petal Blight Control	When to Apply	See this Amount of Acti-dione RZ	Frequency
Bloom Application —Use a fine mist and apply lightly and thoroughly to all buds and open flowers. The ground surface beneath bushes should also be sprayed until moist.	4 to 6 weeks before bloom (Soil application only)	One (1) ounce (8 level teaspoons) per square yard of the azalea bed	Single spray or dry mix as described
Ground Application —Apply uniformly as a spray, or as a dry mixture after blending with sand, sawdust, or vermiculite. Use clean mix, if it is replaced.	Pre-blossom and Blossom. (Begin applications as first blossoms start to open)	1 level teaspoonful per gallon; 12 ounces per 100 gallons	Repeat at 4 to 5-day intervals or as new blossoms appear
CAUTION: Avoid spraying of interplanted species. Acti-dione RZ will damage young shoots of deciduous plants such as dogwood, mahonia, and fern.	When new foliage appears, reduce the concentration to ¼ of a level teaspoonful per gallon, or 9 ounces per 100 gallons and continue as above (Pre-blossom and Blossom).		

Read all label directions. Acti-dione RZ is a broad spectrum turf fungicide effective against the common fungus diseases on the major turfgrasses.

Harmful or fatal if swallowed. May be irritating to skin, eyes, or clothing. Wash thoroughly after handling. Do not use on pasture grasses. Do not reuse empty container. Destroy it by burning or burying.

FIRST AID: External: In case of contact, immediately wash skin immediately with soap and water.

Internal: If swallowed, induce vomiting immediately with soapy or strong salty water to drink. Repeat until nothing by mouth to an unconscious person.

This product is toxic to fish. Apply only as specified on label.

Apply as a liquid spray with hand or power sprayer. Mix the amount of Acti-dione RZ and water to spray suspension of the wettable powder. Use spray mixture over the area to be treated. Apply after mowing. Avoid mowing for 12 hours following application. Avoid periods of high temperature.

FOR: Dollarspot, Brown Patch, Melting-Out, Leaf Spot (Pythium) and Gray Leafspot on Bluegrass

Preventive Treatment

Apply Acti-dione RZ early in the spring before rain schedule at 7 to 14 day intervals through for disease development. Use 1 ounce of Acti-dione RZ per 100 sq. ft. of turf area.

Curative (Eradicative) Treatment

When disease is already present or developing, apply Acti-dione RZ in 2- to 3-gallon water per 100 sq. ft. at 3 to 5-day intervals until the disease is under control.

FOR: Rust, Powdery Mildew, Fading-Out, Melting-Out, Grease Spot (Pythium) on Bluegrass, Fescue

Preventive Treatment

Apply Acti-dione RZ early in the spring before rain schedule at 7 to 14 day intervals through 2 1/2 to 3 gallons of water per 100 sq. ft.

Eradicative Treatment

When disease is already present or developing, apply Acti-dione RZ in 2- to 3-gallon water per 100 sq. ft. until the disease is controlled, then follow the preventive schedule.

FOR Fairways and other large turf areas as a preventive for the separate directions listed with this product.

Acti-dione RZ may be mixed with water to use as a spray mixture at the rate of 1/2 ounce of Acti-dione RZ with 1 gallon of water per 100 sq. ft.

Note: The amount of water to be added is based on the amount of water to be added to equal to approximately 1/2 inch of water per 100 sq. ft.

TUCO • Division of The Upjohn Company

No. 9148

1.3% w/w

75.0% w/w

23.7% w/w

100.0% w/w

ryegrass, and St.

ollar spot, Fading-Out,
(Helminthosporium) and

RZ[®]

1.3% w/w

75.0% w/w

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KEEP OUT OF REACH OF CHILDREN.

General Product Information—Read all label directions, precautions, and warnings before using. Acti-dione RZ is a broad spectrum turf fungicide designed for the prevention and control of most of the common fungus diseases on the major turfgrasses.

WARNING! Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.

Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke or fumes.

FIRST AID: External: In case of contact, immediately flush eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water.

Internal: If swallowed, induce vomiting immediately by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product is toxic to fish. Apply only as specified on this label.

Directions for Use on Turf

Apply as a liquid spray with hand or power sprayers, or a hose-on proportioner. Add the recommended amount of Acti-dione RZ and water to spray tank. Keep agitator running to insure even suspension of the wettable powder. Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing. Allow spray to dry on grass. Do not "water-in." Avoid mowing for 12 hours following application. For maximum safety, avoid spraying during periods of high temperature.

FOR: Dollarspot, Brown Patch, Melting-Out, Leafspot (Helminthosporium), Fading-Out, Grease Spot (Pythium) and Gray Leafspot on Bentgrass, Bermudagrass, and St. Augustinegrass.

Preventive Treatment

Apply Acti-dione RZ early in the spring before disease symptoms appear, then follow a regular schedule at 7 to 14-day intervals throughout the season when conditions are favorable for disease development. Use 6 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. of turf area.

Curative (Eradicative) Treatment:

When disease is already present or develops despite a preventive spray program, use 8 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. Repeat treatment at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

FOR: Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leafspot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue and Ryegrass.

Preventive Treatment

Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use ½ ounce Acti-dione RZ in 2½ to 5 gallons of water per 1,000 sq. ft.

Eradicative Treatment

When disease is already present or develops despite a preventive program, use ½ ounce Acti-dione RZ in 2½ to 5 gallons water per 1,000 sq. ft. Repeat at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

FOR Fairways and other large turf areas a special program is recommended. Ask your supplier for the separate direction sheet with details of this program.

Compatibility

Acti-dione RZ may be applied with most common insecticides. Ferrous sulfate may be added to the spray mixture at the rate of ½ ounce per 1,000 sq. ft. of turf area. Do not mix Acti-dione RZ with chlordane or alkaline materials such as lime.

Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. Gallons are equal to approximately four (4) Imperial Gallons.

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USDA Reg. No. 1023-10

TUCO • Division of The Upjohn Company • Kalamazoo, Michigan 49001

Net Weight 10 pounds

No. 9386

Active Ingredients

Cycloheximide 1.3% w/w
(3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-hydroxyethyl]-glutarimide)

Pentachloronitrobenzene 75.0% w/w
Inert Ingredients 23.7% w/w

100.0% w/w

ACCEPTED
July 14, 1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1023-10

Comments

TUCO

Acti-dione RZ[®]

Broad spectrum

Turf fungicide

For Use On:

Broad spectrum Turf fungicide

For Use On:

Bluegrass, Bentgrass, Bermudagrass, Fescue, Ryegrass, and St. Augustinegrass

For the Prevention and Control of:

Large Brown Patch, Melting-Out, Rust, Dollarspot, Fading-Out, Grease Spot, Powdery Mildew, Leafspot (Helminthosporium) and Gray Leafspot

Also for Azalea Petal Blight

Canadian Registration No. 6935 PCP Act

Guarantee: Effective for Purposes Claimed

Cycloheximide 1.3% w/w

Quintozene 75.0% w/w

U.S. Patent No. 2,887,433

Store in a cool, dry place

WARNING!

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See other warnings on back panel.

Acti-dione RZ 10 pounds

001 14,1970
UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 1023-10

General Product Information — *Comments* Read all label directions, precautions, and warnings before using. Acti-dione RZ is a broad spectrum turf fungicide designed for the prevention and control of most of the common fungus diseases on the major turfgrasses.

WARNING: Harmful or fatal if swallowed. May be irritating if contacted or inhaled. Avoid contact with skin, eyes, or clothing. Wash thoroughly after handling. Avoid breathing dust. Do not contaminate feed and foodstuffs. Do not use on pasture grasses.

Do not reuse empty container. Destroy it by burying with waste or burning. Stay away from smoke or fumes.

FIRST AID: External: In case of contact, immediately flush eyes with plenty of water for 15 minutes. Wash skin immediately with soap and water.

Internal: If swallowed, induce vomiting immediately by sticking finger down throat or by giving soapy or strong salty water to drink. Repeat until vomit is clear. Call a physician. Never give anything by mouth to an unconscious person.

This product is toxic to fish. Apply only as specified on this label.

Directions: Use as follows

Apply as a liquid spray with hand or power sprayers, or a hose-on proportioner. Add the recommended amount of Acti-dione RZ and water to spray. Keep agitator running to insure even suspension of the wettable powder. Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing. Allow spray to dry on grass. Do not "water-in." Avoid mowing for 12 hours following application. For maximum safety, avoid spraying during periods of high temperatures.

For: **Dollarspot, Brown Patch, Melting-Out, Leafspot (Helminthosporium), Fading-Out, Grease Spot (Pythium) and Gray Leafspot on Bentgrass, Bermudagrass, and St. Augustinegrass.**

Preventive Treatment

Apply Acti-dione RZ early in the spring before disease symptoms appear, then follow a regular schedule at 7 to 14-day intervals throughout the season when conditions are favorable for disease development. Use 6 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. of turf area.

Curative (Eradicative) Treatment

When disease is already present or develops despite a preventive spray program, use 8 ounces of Acti-dione RZ in 25 to 35 gallons of water per 5,000 sq. ft. Repeat treatment at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For: **Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leafspot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue, and Ryegrass.**

Preventive Treatment

Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use ½ ounce Acti-dione RZ in 2½ to 5 gallons of water per 1,000 sq. ft.

Eradicative Treatment

When disease is already present or develops despite a preventive program, use ½ ounce Acti-dione RZ in 2½ to 5 gallons water per 1,000 sq. ft. Repeat at 3 to 5-day intervals until the disease is controlled, then follow the preventive treatment schedule.

For **Fairways and other large turf areas** a special program is recommended. Ask your supplier for the separate direction sheet with details of this program.

Compatibility

Acti-dione RZ may be applied with most common insecticides. Ferrrous sulfate may be added to the spray mixture at the rate of 14 ounce

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For: **Rust, Powdery Mildew, Fading-Out, Melting-Out, and Leafspot (Helminthosporium), and Grease Spot (Pythium) on Bluegrass, Fescue, and Ryegrass.**

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Apply Acti-dione RZ early in the spring before disease symptoms appear. Then follow a regular schedule at 7 to 14-day intervals throughout the season. Use ½ ounce Acti-dione RZ in 2½ to 5 gallons of water per 1,000 sq. ft.

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Note: The amount of water to be added is based on U.S. Measure. Five (5) U.S. Gallons are equal to approximately four (4) Imperial Gallons.

Directions for Azalea Petal Blight Control

Bloom Application - Use a fine mist and apply lightly and thoroughly to all buds and open flowers. The ground surface beneath bushes should also be sprayed until moist.

Ground Application - Apply uniformly as a spray, or as a dry mixture after blending with sand, sawdust, or vermiculite. Use clean mulch, if it is replaced.

When to Apply	Use this Amount of Acti-dione RZ	Frequency
4 to 6 weeks before bloom (Soil application only)	One (1) ounce (8 level teaspoonfuls) per square yard of the azalea bed	Single spray or dry mix as described
Pre-blossom and Blossom. (Begin applications as first blossoms start to open.)	1 level teaspoonful per gallon; 12 ounces per 100 gallons	Repeat at 4 to 5-day intervals or as new blossoms appear

When new foliage appears, reduce the concentration to ¾ of a level teaspoonful per gallon, or 9 ounces per 100 gallons and continue as above (Pre-blossom and Blossom).

CAUTION

Avoid spraying of interplanted species. Acti-dione RZ will damage young shoots of deciduous plants such as dogwood, mahonia, and fern.

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